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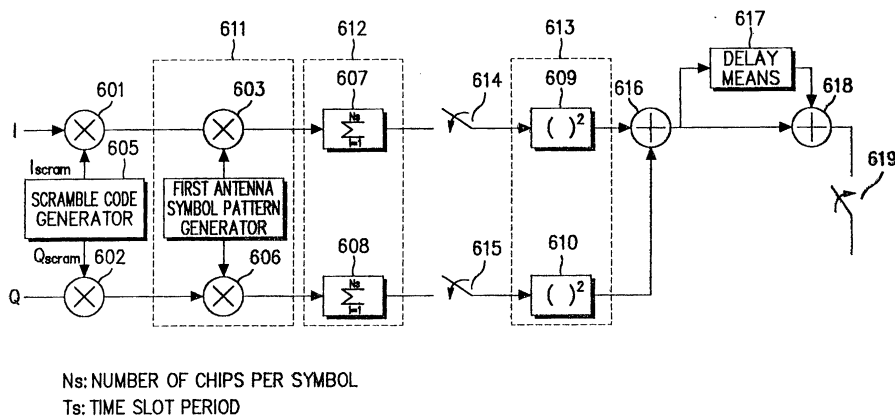
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(54) **Pilot channel power measurement means for a mobile station in asynchronous CDMA communication system**

(57) A power measurement means for a mobile station for measuring transmission power of a base station in an asynchronous code division multiple access (CDMA) communication systems using diversity techniques is disclosed. The power measurement means comprises scramble code generators (605) for generating scramble codes which are allotted to each said base station, multipliers (601,602) for despreading the received pilot channel signals that are spread by the scramble codes, integrators (612) for obtaining amplitudes of the

signals by integrating the despread pilot channel signals for each slot period of the pilot symbols, and outputting the amplitudes at the end time of each slot period, squarers (613) for obtaining the power value of the signal by squaring the amplitudes, delay means (617) for delaying the power value one slot period, an adder (618) for adding the power value output from said squarer and the power value provided by said delay means, and switches (619) for connecting to the adder at the end time of every two slots.



**FIG. 6**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 11 5818

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			H04B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		18 November 2003	Amorotti, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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